

SJBZ

1. A spring contact for use in a connector, which spring contact is substantially U-shaped and has two branches (11, 12) and a base (13) joining the two branches at one end, each branch being adapted to make electrical contact with a device, characterized in that the two branches (11, 12) lie in two diverging planes (11.1, 12.1) and the intersection (I) of said two planes is within the base (13) of the U-shape.
2. A spring contact according to claim 1, characterized in that one branch (11) and the base (13) are coplanar.
3. A spring contact according to either ~~preceding~~ claim, characterized in that the electrical contact of at least one branch (11) is at the free end (16) of said branch.
4. A spring contact according to ~~any preceding~~ claim, characterized in that one branch (11) is adapted to come into contact with a printed circuit and the other branch (12) is adapted to come into contact with a battery.
5. An electrical connector having a first face (2) and a second face (3) opposite the first face, the connector including at least one housing (4) for receiving a spring contact (7) according to any preceding claim and opening onto both faces, characterized in that the spring contact is positioned in the housing so that the plane (13.1) containing the base (13) of the U-shape is substantially parallel to the respective planes (2.1, 3.1) of the faces (2, 3) of the connector.
6. A connector according to claim 5, characterized in that it includes means (4.1) for guiding the spring contact (7) into position in the housing (4).

7. A connector according to ~~either claim 5 or claim 6~~, characterized in that it includes means (28, 29) for retaining the spring contact (7) in the housing (4).

8. A connector according to ~~any one of claims 5 to 7~~,^{claim 5} characterized in that one branch (12) of the spring contact (7) projects from the housing (4).

9. A connector according to ~~any one of claims 5 to 8~~,^{claim 5} including a plurality of housings (4a, 4b) each receiving a respective spring contact (7a, 7b) according to any of claims 1 to 4, characterized in that the spring contacts (7a, 7b) in two adjacent housings (4a, 4b) are positioned so that they are substantially parallel but the opposite way round to each other, one branch (11a) of one contact (7a) being adjacent the other branch (12b) of the adjacent contact (7b).

10. A connector according to ~~any one of claims 5 to 9~~,^{claim 1} characterized in that one face (3) of the connector has a pick-up area (33) substantially at the center of said face (3).

11. A connector according to ~~any one of claims 5 to 10~~,^{claims 5} having lateral faces (35, 36) joining the first and second faces (2, 3), characterized in that the lateral faces (35, 36) include at least one recess (34) and a free end (16) of one branch (11) of the spring contact (7) projects into said recess (34).

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